

<b>Examiner-Initiated Interview Summary</b>	Application No.	Applicant(s)	
	09/554,531	BEELEY ET AL.	
	Examiner	Art Unit	
	Andrew D. Kosar	1654	

**All Participants:**

(1) Andrew D. Kosar.

(2) James Butler.

**Status of Application: \_\_\_\_\_**

(3) \_\_\_\_\_

(4) \_\_\_\_\_

**Date of Interview:** 18 September 2006

**Time:** 14:00

**Type of Interview:**

- ☒ Telephonic  
☐ Video Conference  
☐ Personal (Copy given to: ☐ Applicant ☐ Applicant's representative)

**Exhibit Shown or Demonstrated:** ☒ Yes ☐ No

If Yes, provide a brief description: *proposed amendments/examiner's amendment.*

**Part I.**

**Rejection(s) discussed:**

*n/a*

**Claims discussed:**

*1,29,42*

**Prior art documents discussed:**

*n/a*

**Part II.**

**SUBSTANCE OF INTERVIEW DESCRIBING THE GENERAL NATURE OF WHAT WAS DISCUSSED:**

*See Continuation Sheet*

**Part III.**

- ☐ It is not necessary for applicant to provide a separate record of the substance of the interview, since the interview directly resulted in the allowance of the application. The examiner will provide a written summary of the substance of the interview in the Notice of Allowability.  
☒ It is not necessary for applicant to provide a separate record of the substance of the interview, since the interview did not result in resolution of all issues. A brief summary by the examiner appears in Part II above.

Andrew D. Kosar  
(Examiner/SPE Signature)

\_\_\_\_\_  
(Applicant/Applicant's Representative Signature – if appropriate)

Continuation of Substance of Interview including description of the general nature of what was discussed: The examiner' contacted Applicant's representative to suggest claim amendments that would likely put the claims in condition for allowance. During the interview a sequence compliance issue was discovered: claims 1, 29 and 42 no longer were commensurate with the sequences recited (additional residues now recited as variables, entered by amendment, are not found in sequence listing). Additionally, US Patent 6,506,724 was noted as of possible relevance to the instant application by the examiner. Because of the sequence compliance issue, a notice to comply would be mailed. In order to expedite prosecution the examiner faxed the proposed changes to the claims for applicant's review. It was further noted by the examiner that claim 42 would not necessarily require a sequence listing, as proposed, as it recites 'branched' sequences which are specifically excluded by the sequence rules..



## UNITED STATES PATENT AND TRADEMARK OFFICE

### Facsimile Transmission

To:	Name:	James Butler
	Company:	Amylin Pharmaceuticals, Inc.
	Fax Number:	858-552-1936
	Voice Phone:	(858)458-8564
From:	Name:	Andrew D. Kosar, Ph.D.
	Voice Phone:	(571) 272-0913

37 C.F.R. 1.6 sets forth the types of correspondence that can be communicated to the Patent and Trademark Office via facsimile transmissions. Applicants are advised to use the certificate of facsimile transmission procedures when submitting a reply to a non-final or final Office action by facsimile (37 CFR 1.8(a)).

#### Fax Notes:

---

Mr. Butler, please find the attached proposed claim amendments as per our discussion earlier today. I believe these amendments will likely place the claims in condition for allowance. As I indicated, a sequence compliance issue is present, introduced by the amendments of 5/26/04, and must be rectified. A sequence compliance letter will be mailed which details the specific issues regarding the compliance.

---

Date and time of transmission: Monday, September 18, 2006 4:03:10 PM  
Number of pages including this cover sheet: 12

---

**DRAFT EXAMINER'S AMENDMENT**

The application has been PROPOSED TO BE amended as follows:

**REPLACE claim 1** with the following:

Claim 1. A peptide compound or pharmaceutically acceptable salt, thereof, selected from:

Xaa<sub>1</sub>-Xaa<sub>2</sub>-Xaa<sub>3</sub>-Xaa<sub>4</sub>-Xaa<sub>5</sub>-Xaa<sub>6</sub>-Xaa<sub>7</sub>-Xaa<sub>8</sub>-Xaa<sub>9</sub>-Xaa<sub>10</sub>-Xaa<sub>11</sub>-Xaa<sub>12</sub>-Xaa<sub>13</sub>-Xaa<sub>14</sub>-Xaa<sub>15</sub>-Xaa<sub>16</sub>-  
Xaa<sub>17</sub>-Ala-Xaa<sub>19</sub>-Xaa<sub>20</sub>-Xaa<sub>21</sub>-Xaa<sub>22</sub>-Xaa<sub>23</sub>-Xaa<sub>24</sub>-Xaa<sub>25</sub>-Xaa<sub>26</sub>-Xaa<sub>27</sub>-Xaa<sub>28</sub>-Gly-Gly-Xaa<sub>31</sub>-Ser-  
Ser-Gly-Ala-Xaa<sub>36</sub>-Xaa<sub>37</sub>-Xaa<sub>38</sub>-Xaa<sub>39</sub>-Z<sub>2</sub>, (SEQ ID NO:4)-Z<sub>2</sub>;

Xaa<sub>1</sub>-Xaa<sub>2</sub>-Xaa<sub>3</sub>-Xaa<sub>4</sub>-Xaa<sub>5</sub>-Xaa<sub>6</sub>-Xaa<sub>7</sub>-Xaa<sub>8</sub>-Xaa<sub>9</sub>-Xaa<sub>10</sub>-Xaa<sub>11</sub>-Xaa<sub>12</sub>-Xaa<sub>13</sub>-Xaa<sub>14</sub>-Xaa<sub>15</sub>-Xaa<sub>16</sub>-  
Xaa<sub>17</sub>-Ala-Xaa<sub>19</sub>-Xaa<sub>20</sub>-Xaa<sub>21</sub>-Xaa<sub>22</sub>-Xaa<sub>23</sub>-Xaa<sub>24</sub>-Xaa<sub>25</sub>-Xaa<sub>26</sub>-Xaa<sub>27</sub>-Xaa<sub>28</sub>-Gly-Gly-Xaa<sub>31</sub>-Ser-  
Ser-Gly-Ala-Xaa<sub>36</sub>-Xaa<sub>37</sub>-Xaa<sub>38</sub>-Z<sub>2</sub>, (residues 1-38 of SEQ ID NO:4)-Z<sub>2</sub>;

Xaa<sub>1</sub>-Xaa<sub>2</sub>-Xaa<sub>3</sub>-Xaa<sub>4</sub>-Xaa<sub>5</sub>-Xaa<sub>6</sub>-Xaa<sub>7</sub>-Xaa<sub>8</sub>-Xaa<sub>9</sub>-Xaa<sub>10</sub>-Xaa<sub>11</sub>-Xaa<sub>12</sub>-Xaa<sub>13</sub>-Xaa<sub>14</sub>-Xaa<sub>15</sub>-Xaa<sub>16</sub>-  
Xaa<sub>17</sub>-Ala-Xaa<sub>19</sub>-Xaa<sub>20</sub>-Xaa<sub>21</sub>-Xaa<sub>22</sub>-Xaa<sub>23</sub>-Xaa<sub>24</sub>-Xaa<sub>25</sub>-Xaa<sub>26</sub>-Xaa<sub>27</sub>-Xaa<sub>28</sub>-Gly-Gly-Xaa<sub>31</sub>-Ser-  
Ser-Gly-Ala-Xaa<sub>36</sub>-Xaa<sub>37</sub>-Z<sub>2</sub>, (residues 1-37 of SEQ ID NO:4)-Z<sub>2</sub>;

Xaa<sub>1</sub>-Xaa<sub>2</sub>-Xaa<sub>3</sub>-Xaa<sub>4</sub>-Xaa<sub>5</sub>-Xaa<sub>6</sub>-Xaa<sub>7</sub>-Xaa<sub>8</sub>-Xaa<sub>9</sub>-Xaa<sub>10</sub>-Xaa<sub>11</sub>-Xaa<sub>12</sub>-Xaa<sub>13</sub>-Xaa<sub>14</sub>-Xaa<sub>15</sub>-Xaa<sub>16</sub>-  
Xaa<sub>17</sub>-Ala-Xaa<sub>19</sub>-Xaa<sub>20</sub>-Xaa<sub>21</sub>-Xaa<sub>22</sub>-Xaa<sub>23</sub>-Xaa<sub>24</sub>-Xaa<sub>25</sub>-Xaa<sub>26</sub>-Xaa<sub>27</sub>-Xaa<sub>28</sub>-Gly-Gly-Xaa<sub>31</sub>-Ser-  
Ser-Gly-Ala-Xaa<sub>36</sub>-Z<sub>2</sub>, (residues 1-36 of SEQ ID NO:4)-Z<sub>2</sub>;

Xaa<sub>1</sub>-Xaa<sub>2</sub>-Xaa<sub>3</sub>-Xaa<sub>4</sub>-Xaa<sub>5</sub>-Xaa<sub>6</sub>-Xaa<sub>7</sub>-Xaa<sub>8</sub>-Xaa<sub>9</sub>-Xaa<sub>10</sub>-Xaa<sub>11</sub>-Xaa<sub>12</sub>-Xaa<sub>13</sub>-Xaa<sub>14</sub>-Xaa<sub>15</sub>-Xaa<sub>16</sub>-  
Xaa<sub>17</sub>-Ala-Xaa<sub>19</sub>-Xaa<sub>20</sub>-Xaa<sub>21</sub>-Xaa<sub>22</sub>-Xaa<sub>23</sub>-Xaa<sub>24</sub>-Xaa<sub>25</sub>-Xaa<sub>26</sub>-Xaa<sub>27</sub>-Xaa<sub>28</sub>-Gly-Gly-Xaa<sub>31</sub>-Ser-  
Ser-Gly-Ala-Z<sub>2</sub>, (residues 1-35 of SEQ ID NO:4)-Z<sub>2</sub>;

Xaa<sub>1</sub>-Xaa<sub>2</sub>-Xaa<sub>3</sub>-Xaa<sub>4</sub>-Xaa<sub>5</sub>-Xaa<sub>6</sub>-Xaa<sub>7</sub>-Xaa<sub>8</sub>-Xaa<sub>9</sub>-Xaa<sub>10</sub>-Xaa<sub>11</sub>-Xaa<sub>12</sub>-Xaa<sub>13</sub>-Xaa<sub>14</sub>-Xaa<sub>15</sub>-Xaa<sub>16</sub>-  
Xaa<sub>17</sub>-Ala-Xaa<sub>19</sub>-Xaa<sub>20</sub>-Xaa<sub>21</sub>-Xaa<sub>22</sub>-Xaa<sub>23</sub>-Xaa<sub>24</sub>-Xaa<sub>25</sub>-Xaa<sub>26</sub>-Xaa<sub>27</sub>-Xaa<sub>28</sub>-Gly-Gly-Xaa<sub>31</sub>-Ser-  
Ser-Gly-Z<sub>2</sub>, (residues 1-34 of SEQ ID NO:4)-Z<sub>2</sub>;

Art Unit: 1654

Xaa<sub>1</sub>-Xaa<sub>2</sub>-Xaa<sub>3</sub>-Xaa<sub>4</sub>-Xaa<sub>5</sub>-Xaa<sub>6</sub>-Xaa<sub>7</sub>-Xaa<sub>8</sub>-Xaa<sub>9</sub>-Xaa<sub>10</sub>-Xaa<sub>11</sub>-Xaa<sub>12</sub>-Xaa<sub>13</sub>-Xaa<sub>14</sub>-Xaa<sub>15</sub>-Xaa<sub>16</sub>-  
Xaa<sub>17</sub>-Ala-Xaa<sub>19</sub>-Xaa<sub>20</sub>-Xaa<sub>21</sub>-Xaa<sub>22</sub>-Xaa<sub>23</sub>-Xaa<sub>24</sub>-Xaa<sub>25</sub>-Xaa<sub>26</sub>-Xaa<sub>27</sub>-Xaa<sub>28</sub>-Gly-Gly-Xaa<sub>31</sub>-Ser-  
Ser-Z<sub>2</sub>, (residues 1-33 of SEQ ID NO:4)-Z<sub>2</sub>;

Xaa<sub>1</sub>-Xaa<sub>2</sub>-Xaa<sub>3</sub>-Xaa<sub>4</sub>-Xaa<sub>5</sub>-Xaa<sub>6</sub>-Xaa<sub>7</sub>-Xaa<sub>8</sub>-Xaa<sub>9</sub>-Xaa<sub>10</sub>-Xaa<sub>11</sub>-Xaa<sub>12</sub>-Xaa<sub>13</sub>-Xaa<sub>14</sub>-Xaa<sub>15</sub>-Xaa<sub>16</sub>-  
Xaa<sub>17</sub>-Ala-Xaa<sub>19</sub>-Xaa<sub>20</sub>-Xaa<sub>21</sub>-Xaa<sub>22</sub>-Xaa<sub>23</sub>-Xaa<sub>24</sub>-Xaa<sub>25</sub>-Xaa<sub>26</sub>-Xaa<sub>27</sub>-Xaa<sub>28</sub>-Gly-Gly-Xaa<sub>31</sub>-Ser-  
Z<sub>2</sub>, (residues 1-32 of SEQ ID NO:4)-Z<sub>2</sub>;

Xaa<sub>1</sub>-Xaa<sub>2</sub>-Xaa<sub>3</sub>-Xaa<sub>4</sub>-Xaa<sub>5</sub>-Xaa<sub>6</sub>-Xaa<sub>7</sub>-Xaa<sub>8</sub>-Xaa<sub>9</sub>-Xaa<sub>10</sub>-Xaa<sub>11</sub>-Xaa<sub>12</sub>-Xaa<sub>13</sub>-Xaa<sub>14</sub>-Xaa<sub>15</sub>-Xaa<sub>16</sub>-  
Xaa<sub>17</sub>-Ala-Xaa<sub>19</sub>-Xaa<sub>20</sub>-Xaa<sub>21</sub>-Xaa<sub>22</sub>-Xaa<sub>23</sub>-Xaa<sub>24</sub>-Xaa<sub>25</sub>-Xaa<sub>26</sub>-Xaa<sub>27</sub>-Xaa<sub>28</sub>-Gly-Gly-Xaa<sub>31</sub>-Z<sub>2</sub>,  
(residues 1-31 of SEQ ID NO:4)-Z<sub>2</sub>;

Xaa<sub>1</sub>-Xaa<sub>2</sub>-Xaa<sub>3</sub>-Xaa<sub>4</sub>-Xaa<sub>5</sub>-Xaa<sub>6</sub>-Xaa<sub>7</sub>-Xaa<sub>8</sub>-Xaa<sub>9</sub>-Xaa<sub>10</sub>-Xaa<sub>11</sub>-Xaa<sub>12</sub>-Xaa<sub>13</sub>-Xaa<sub>14</sub>-Xaa<sub>15</sub>-Xaa<sub>16</sub>-  
Xaa<sub>17</sub>-Ala-Xaa<sub>19</sub>-Xaa<sub>20</sub>-Xaa<sub>21</sub>-Xaa<sub>22</sub>-Xaa<sub>23</sub>-Xaa<sub>24</sub>-Xaa<sub>25</sub>-Xaa<sub>26</sub>-Xaa<sub>27</sub>-Xaa<sub>28</sub>-Gly-Gly-Z<sub>2</sub>,  
(residues 1-30 of SEQ ID NO:4)-Z<sub>2</sub>;

Xaa<sub>1</sub>-Xaa<sub>2</sub>-Xaa<sub>3</sub>-Xaa<sub>4</sub>-Xaa<sub>5</sub>-Xaa<sub>6</sub>-Xaa<sub>7</sub>-Xaa<sub>8</sub>-Xaa<sub>9</sub>-Xaa<sub>10</sub>-Xaa<sub>11</sub>-Xaa<sub>12</sub>-Xaa<sub>13</sub>-Xaa<sub>14</sub>-Xaa<sub>15</sub>-Xaa<sub>16</sub>-  
Xaa<sub>17</sub>-Ala-Xaa<sub>19</sub>-Xaa<sub>20</sub>-Xaa<sub>21</sub>-Xaa<sub>22</sub>-Xaa<sub>23</sub>-Xaa<sub>24</sub>-Xaa<sub>25</sub>-Xaa<sub>26</sub>-Xaa<sub>27</sub>-Xaa<sub>28</sub>-Gly-Z<sub>2</sub>, (residues 1-  
29 of SEQ ID NO:4)-Z<sub>2</sub>; and

Xaa<sub>1</sub>-Xaa<sub>2</sub>-Xaa<sub>3</sub>-Xaa<sub>4</sub>-Xaa<sub>5</sub>-Xaa<sub>6</sub>-Xaa<sub>7</sub>-Xaa<sub>8</sub>-Xaa<sub>9</sub>-Xaa<sub>10</sub>-Xaa<sub>11</sub>-Xaa<sub>12</sub>-Xaa<sub>13</sub>-Xaa<sub>14</sub>-Xaa<sub>15</sub>-Xaa<sub>16</sub>-  
Xaa<sub>17</sub>-Ala-Xaa<sub>19</sub>-Xaa<sub>20</sub>-Xaa<sub>21</sub>-Xaa<sub>22</sub>-Xaa<sub>23</sub>-Xaa<sub>24</sub>-Xaa<sub>25</sub>-Xaa<sub>26</sub>-Xaa<sub>27</sub>-Xaa<sub>28</sub>-Z<sub>2</sub>, (residues 1-28 of  
SEQ ID NO:4)-Z<sub>2</sub>;

wherein:

Xaa<sub>1</sub> is His, Arg, Tyr, Ala, Norval, Val or Norleu;

Xaa<sub>2</sub> is Ser, Gly, Ala or Thr;

Xaa<sub>3</sub> and Xaa<sub>24</sub> are each independently Ala, Asp or Glu;

Art Unit: 1654

Xaa<sub>4</sub> is Ala, Norval, Val, Norleu or Gly;

Xaa<sub>5</sub> is Ala or Thr;

Xaa<sub>6</sub> is Ala, Phe, Tyr or naphthylalanine;

Xaa<sub>7</sub> is Thr or Ser;

Xaa<sub>8</sub> is Ala, Ser or Thr;

Xaa<sub>9</sub> is Ala, Norval, Val, Norleu, Asp or Glu;

Xaa<sub>10</sub> and Xaa<sub>14</sub> are each independently Ala, Leu, Ile, Val, pentylglycine or Met;

Xaa<sub>11</sub> is Ala or Ser;

Xaa<sub>12</sub> and Xaa<sub>27</sub> are each independently Ala or Lys;

Xaa<sub>13</sub> is Ala or Gln;

Xaa<sub>15</sub>, Xaa<sub>16</sub> and Xaa<sub>17</sub> are each independently Ala or Glu;

Xaa<sub>19</sub> is Ala or Val;

Xaa<sub>20</sub> is Ala or Arg;

Xaa<sub>21</sub> and Xaa<sub>26</sub> are each independently Ala or Leu;

Xaa<sub>22</sub> is Phe, Tyr or naphthylalanine;

Xaa<sub>23</sub> is Ile, Val, Leu, pentylglycine, tert-butylglycine or Met;

Xaa<sub>25</sub> is Ala, Trp, Phe, Tyr or naphthylalanine;

Xaa<sub>28</sub> is Ala or Asn;

Xaa<sub>31</sub>, Xaa<sub>36</sub>, Xaa<sub>37</sub>, and Xaa<sub>38</sub> are each independently Pro, homoproline, 3Hyp, 4Hyp,

thioproline, N-alkylglycine, N-alkylpentylglycine or N-alkylalanine;

X<sub>39</sub> is Ser or Tyr;

Z<sub>2</sub> is -OH or -NH<sub>2</sub>; and

Art Unit: 1654

provided that no more than three of Xaa<sub>3</sub>, Xaa<sub>4</sub>, Xaa<sub>5</sub>, Xaa<sub>6</sub>, Xaa<sub>8</sub>, Xaa<sub>9</sub>, Xaa<sub>10</sub>, Xaa<sub>11</sub>, Xaa<sub>12</sub>, Xaa<sub>13</sub>, Xaa<sub>14</sub>, Xaa<sub>15</sub>, Xaa<sub>16</sub>, Xaa<sub>17</sub>, Xaa<sub>19</sub>, Xaa<sub>20</sub>, Xaa<sub>21</sub>, Xaa<sub>24</sub>, Xaa<sub>25</sub>, Xaa<sub>26</sub>, Xaa<sub>27</sub> and Xaa<sub>28</sub> are Ala; and provided also that if Xaa<sub>1</sub> is His, Arg or Tyr, then at least one of Xaa<sub>3</sub>, Xaa<sub>4</sub> and Xaa<sub>9</sub> is Ala.

**REPLACE claim 18** with the following:

Claim 18. The compound according to claim 17 wherein the peptide is Xaa<sub>1</sub>-Xaa<sub>2</sub>-Xaa<sub>3</sub>-Xaa<sub>4</sub>-Xaa<sub>5</sub>-Xaa<sub>6</sub>-Xaa<sub>7</sub>-Xaa<sub>8</sub>-Xaa<sub>9</sub>-Xaa<sub>10</sub>-Xaa<sub>11</sub>-Xaa<sub>12</sub>-Xaa<sub>13</sub>-Xaa<sub>14</sub>-Xaa<sub>15</sub>-Xaa<sub>16</sub>-Xaa<sub>17</sub>-Ala-Xaa<sub>19</sub>-Xaa<sub>20</sub>-Xaa<sub>21</sub>-Xaa<sub>22</sub>-Xaa<sub>23</sub>-Xaa<sub>24</sub>-Xaa<sub>25</sub>-Xaa<sub>26</sub>-Xaa<sub>27</sub>-Xaa<sub>28</sub>-NH<sub>2</sub>, (residues 1-28 of SEQ ID NO:4)-NH<sub>2</sub>.

**REPLACE claim 26** with the following:

Claim 26. The compound according to claim 1 wherein the peptide is Xaa<sub>1</sub>-Xaa<sub>2</sub>-Xaa<sub>3</sub>-Xaa<sub>4</sub>-Xaa<sub>5</sub>-Xaa<sub>6</sub>-Xaa<sub>7</sub>-Xaa<sub>8</sub>-Xaa<sub>9</sub>-Xaa<sub>10</sub>-Xaa<sub>11</sub>-Xaa<sub>12</sub>-Xaa<sub>13</sub>-Xaa<sub>14</sub>-Xaa<sub>15</sub>-Xaa<sub>16</sub>-Xaa<sub>17</sub>-Ala-Xaa<sub>19</sub>-Xaa<sub>20</sub>-Xaa<sub>21</sub>-Xaa<sub>22</sub>-Xaa<sub>23</sub>-Xaa<sub>24</sub>-Xaa<sub>25</sub>-Xaa<sub>26</sub>-Xaa<sub>27</sub>-Xaa<sub>28</sub>-NH<sub>2</sub>, (residues 1-28 of SEQ ID NO:4)-NH<sub>2</sub>.

**REPLACE claim 29** with the following:

Claim 29. A peptide compound or pharmaceutically acceptable salt, thereof, selected from:

Xaa<sub>1</sub>-Xaa<sub>2</sub>-Xaa<sub>3</sub>-Xaa<sub>4</sub>-Xaa<sub>5</sub>-Xaa<sub>6</sub>-Xaa<sub>7</sub>-Xaa<sub>8</sub>-Xaa<sub>9</sub>-Xaa<sub>10</sub>-Xaa<sub>11</sub>-Xaa<sub>12</sub>-Xaa<sub>13</sub>-Xaa<sub>14</sub>-Xaa<sub>15</sub>-Xaa<sub>16</sub>-Xaa<sub>17</sub>-Ala-Xaa<sub>19</sub>-Xaa<sub>20</sub>-Xaa<sub>21</sub>-Xaa<sub>22</sub>-Xaa<sub>23</sub>-Xaa<sub>24</sub>-Xaa<sub>25</sub>-Xaa<sub>26</sub>-Xaa<sub>27</sub>-Xaa<sub>28</sub>-Gly-Gly-Xaa<sub>31</sub>-Ser-Ser-Gly-Ala-Xaa<sub>36</sub>-Xaa<sub>37</sub>-Xaa<sub>38</sub>-Z<sub>2</sub>, (residues 1-38 of SEQ ID NO:4)-Z<sub>2</sub>;

Xaa<sub>1</sub>-Xaa<sub>2</sub>-Xaa<sub>3</sub>-Xaa<sub>4</sub>-Xaa<sub>5</sub>-Xaa<sub>6</sub>-Xaa<sub>7</sub>-Xaa<sub>8</sub>-Xaa<sub>9</sub>-Xaa<sub>10</sub>-Xaa<sub>11</sub>-Xaa<sub>12</sub>-Xaa<sub>13</sub>-Xaa<sub>14</sub>-Xaa<sub>15</sub>-Xaa<sub>16</sub>-Xaa<sub>17</sub>-Ala-Xaa<sub>19</sub>-Xaa<sub>20</sub>-Xaa<sub>21</sub>-Xaa<sub>22</sub>-Xaa<sub>23</sub>-Xaa<sub>24</sub>-Xaa<sub>25</sub>-Xaa<sub>26</sub>-Xaa<sub>27</sub>-Xaa<sub>28</sub>-Gly-Gly-Xaa<sub>31</sub>-Ser-Ser-Gly-Ala-Xaa<sub>36</sub>-Xaa<sub>37</sub>-Z<sub>2</sub>, (residues 1-37 of SEQ ID NO:4)-Z<sub>2</sub>;

Art Unit: 1654

Xaa<sub>1</sub>-Xaa<sub>2</sub>-Xaa<sub>3</sub>-Xaa<sub>4</sub>-Xaa<sub>5</sub>-Xaa<sub>6</sub>-Xaa<sub>7</sub>-Xaa<sub>8</sub>-Xaa<sub>9</sub>-Xaa<sub>10</sub>-Xaa<sub>11</sub>-Xaa<sub>12</sub>-Xaa<sub>13</sub>-Xaa<sub>14</sub>-Xaa<sub>15</sub>-Xaa<sub>16</sub>-  
Xaa<sub>17</sub>-Ala-Xaa<sub>19</sub>-Xaa<sub>20</sub>-Xaa<sub>21</sub>-Xaa<sub>22</sub>-Xaa<sub>23</sub>-Xaa<sub>24</sub>-Xaa<sub>25</sub>-Xaa<sub>26</sub>-Xaa<sub>27</sub>-Xaa<sub>28</sub>-Gly-Gly-Xaa<sub>31</sub>-Ser-  
Ser-Gly-Ala-Xaa<sub>36</sub>-Z<sub>2</sub>, (residues 1-36 of SEQ ID NO:4)-Z<sub>2</sub>;

Xaa<sub>1</sub>-Xaa<sub>2</sub>-Xaa<sub>3</sub>-Xaa<sub>4</sub>-Xaa<sub>5</sub>-Xaa<sub>6</sub>-Xaa<sub>7</sub>-Xaa<sub>8</sub>-Xaa<sub>9</sub>-Xaa<sub>10</sub>-Xaa<sub>11</sub>-Xaa<sub>12</sub>-Xaa<sub>13</sub>-Xaa<sub>14</sub>-Xaa<sub>15</sub>-Xaa<sub>16</sub>-  
Xaa<sub>17</sub>-Ala-Xaa<sub>19</sub>-Xaa<sub>20</sub>-Xaa<sub>21</sub>-Xaa<sub>22</sub>-Xaa<sub>23</sub>-Xaa<sub>24</sub>-Xaa<sub>25</sub>-Xaa<sub>26</sub>-Xaa<sub>27</sub>-Xaa<sub>28</sub>-Gly-Gly-Xaa<sub>31</sub>-Ser-  
Ser-Gly-Ala-Z<sub>2</sub>, (residues 1-35 of SEQ ID NO:4)-Z<sub>2</sub>;

Xaa<sub>1</sub>-Xaa<sub>2</sub>-Xaa<sub>3</sub>-Xaa<sub>4</sub>-Xaa<sub>5</sub>-Xaa<sub>6</sub>-Xaa<sub>7</sub>-Xaa<sub>8</sub>-Xaa<sub>9</sub>-Xaa<sub>10</sub>-Xaa<sub>11</sub>-Xaa<sub>12</sub>-Xaa<sub>13</sub>-Xaa<sub>14</sub>-Xaa<sub>15</sub>-Xaa<sub>16</sub>-  
Xaa<sub>17</sub>-Ala-Xaa<sub>19</sub>-Xaa<sub>20</sub>-Xaa<sub>21</sub>-Xaa<sub>22</sub>-Xaa<sub>23</sub>-Xaa<sub>24</sub>-Xaa<sub>25</sub>-Xaa<sub>26</sub>-Xaa<sub>27</sub>-Xaa<sub>28</sub>-Gly-Gly-Xaa<sub>31</sub>-Ser-  
Ser-Gly-Z<sub>2</sub>, (residues 1-34 of SEQ ID NO:4)-Z<sub>2</sub>;

Xaa<sub>1</sub>-Xaa<sub>2</sub>-Xaa<sub>3</sub>-Xaa<sub>4</sub>-Xaa<sub>5</sub>-Xaa<sub>6</sub>-Xaa<sub>7</sub>-Xaa<sub>8</sub>-Xaa<sub>9</sub>-Xaa<sub>10</sub>-Xaa<sub>11</sub>-Xaa<sub>12</sub>-Xaa<sub>13</sub>-Xaa<sub>14</sub>-Xaa<sub>15</sub>-Xaa<sub>16</sub>-  
Xaa<sub>17</sub>-Ala-Xaa<sub>19</sub>-Xaa<sub>20</sub>-Xaa<sub>21</sub>-Xaa<sub>22</sub>-Xaa<sub>23</sub>-Xaa<sub>24</sub>-Xaa<sub>25</sub>-Xaa<sub>26</sub>-Xaa<sub>27</sub>-Xaa<sub>28</sub>-Gly-Gly-Xaa<sub>31</sub>-Ser-  
Ser-Z<sub>2</sub>, (residues 1-33 of SEQ ID NO:4)-Z<sub>2</sub>;

Xaa<sub>1</sub>-Xaa<sub>2</sub>-Xaa<sub>3</sub>-Xaa<sub>4</sub>-Xaa<sub>5</sub>-Xaa<sub>6</sub>-Xaa<sub>7</sub>-Xaa<sub>8</sub>-Xaa<sub>9</sub>-Xaa<sub>10</sub>-Xaa<sub>11</sub>-Xaa<sub>12</sub>-Xaa<sub>13</sub>-Xaa<sub>14</sub>-Xaa<sub>15</sub>-Xaa<sub>16</sub>-  
Xaa<sub>17</sub>-Ala-Xaa<sub>19</sub>-Xaa<sub>20</sub>-Xaa<sub>21</sub>-Xaa<sub>22</sub>-Xaa<sub>23</sub>-Xaa<sub>24</sub>-Xaa<sub>25</sub>-Xaa<sub>26</sub>-Xaa<sub>27</sub>-Xaa<sub>28</sub>-Gly-Gly-Xaa<sub>31</sub>-Ser-  
Z<sub>2</sub>, (residues 1-32 of SEQ ID NO:4)-Z<sub>2</sub>;

Xaa<sub>1</sub>-Xaa<sub>2</sub>-Xaa<sub>3</sub>-Xaa<sub>4</sub>-Xaa<sub>5</sub>-Xaa<sub>6</sub>-Xaa<sub>7</sub>-Xaa<sub>8</sub>-Xaa<sub>9</sub>-Xaa<sub>10</sub>-Xaa<sub>11</sub>-Xaa<sub>12</sub>-Xaa<sub>13</sub>-Xaa<sub>14</sub>-Xaa<sub>15</sub>-Xaa<sub>16</sub>-  
Xaa<sub>17</sub>-Ala-Xaa<sub>19</sub>-Xaa<sub>20</sub>-Xaa<sub>21</sub>-Xaa<sub>22</sub>-Xaa<sub>23</sub>-Xaa<sub>24</sub>-Xaa<sub>25</sub>-Xaa<sub>26</sub>-Xaa<sub>27</sub>-Xaa<sub>28</sub>-Gly-Gly-Xaa<sub>31</sub>-Z<sub>2</sub>,  
(residues 1-31 of SEQ ID NO:4)-Z<sub>2</sub>;

Xaa<sub>1</sub>-Xaa<sub>2</sub>-Xaa<sub>3</sub>-Xaa<sub>4</sub>-Xaa<sub>5</sub>-Xaa<sub>6</sub>-Xaa<sub>7</sub>-Xaa<sub>8</sub>-Xaa<sub>9</sub>-Xaa<sub>10</sub>-Xaa<sub>11</sub>-Xaa<sub>12</sub>-Xaa<sub>13</sub>-Xaa<sub>14</sub>-Xaa<sub>15</sub>-Xaa<sub>16</sub>-  
Xaa<sub>17</sub>-Ala-Xaa<sub>19</sub>-Xaa<sub>20</sub>-Xaa<sub>21</sub>-Xaa<sub>22</sub>-Xaa<sub>23</sub>-Xaa<sub>24</sub>-Xaa<sub>25</sub>-Xaa<sub>26</sub>-Xaa<sub>27</sub>-Xaa<sub>28</sub>-Gly-Gly-Z<sub>2</sub>,  
(residues 1-30 of SEQ ID NO:4)-Z<sub>2</sub>;



Art Unit: 1654

Xaa<sub>1</sub>-Xaa<sub>2</sub>-Xaa<sub>3</sub>-Xaa<sub>4</sub>-Xaa<sub>5</sub>-Xaa<sub>6</sub>-Xaa<sub>7</sub>-Xaa<sub>8</sub>-Xaa<sub>9</sub>-Xaa<sub>10</sub>-Xaa<sub>11</sub>-Xaa<sub>12</sub>-Xaa<sub>13</sub>-Xaa<sub>14</sub>-Xaa<sub>15</sub>-Xaa<sub>16</sub>-  
Xaa<sub>17</sub>-Ala-Xaa<sub>19</sub>-Xaa<sub>20</sub>-Xaa<sub>21</sub>-Xaa<sub>22</sub>-Xaa<sub>23</sub>-Xaa<sub>24</sub>-Xaa<sub>25</sub>-Xaa<sub>26</sub>-Xaa<sub>27</sub>-Xaa<sub>28</sub>-Gly-Z<sub>2</sub>, (residues 1-  
29 of SEQ ID NO:4)-Z<sub>2</sub>; and

Xaa<sub>1</sub>-Xaa<sub>2</sub>-Xaa<sub>3</sub>-Xaa<sub>4</sub>-Xaa<sub>5</sub>-Xaa<sub>6</sub>-Xaa<sub>7</sub>-Xaa<sub>8</sub>-Xaa<sub>9</sub>-Xaa<sub>10</sub>-Xaa<sub>11</sub>-Xaa<sub>12</sub>-Xaa<sub>13</sub>-Xaa<sub>14</sub>-Xaa<sub>15</sub>-Xaa<sub>16</sub>-  
Xaa<sub>17</sub>-Ala-Xaa<sub>19</sub>-Xaa<sub>20</sub>-Xaa<sub>21</sub>-Xaa<sub>22</sub>-Xaa<sub>23</sub>-Xaa<sub>24</sub>-Xaa<sub>25</sub>-Xaa<sub>26</sub>-Xaa<sub>27</sub>-Xaa<sub>28</sub>-Z<sub>2</sub>, (residues 1-28 of  
SEQ ID NO:4)-Z<sub>2</sub>;

wherein:

Xaa<sub>1</sub> is His or Ala;

Xaa<sub>2</sub> is Gly or Ala;

Xaa<sub>3</sub> and Xaa<sub>24</sub> are each independently Ala, Asp or Glu;

Xaa<sub>4</sub> is Ala or Gly;

Xaa<sub>5</sub> is Ala or Thr;

Xaa<sub>6</sub> is Ala, Phe or naphthylalanine;

Xaa<sub>7</sub> is Thr or Ser;

Xaa<sub>8</sub> is Ala, Ser or Thr;

Xaa<sub>9</sub> is Ala, Asp or Glu;

Xaa<sub>10</sub> is Ala, Leu or pentylglycine;

Xaa<sub>11</sub> is Ala or Ser;

Xaa<sub>12</sub> and Xaa<sub>27</sub> are each independently Ala or Lys;

Xaa<sub>13</sub> is Ala or Gln;

Xaa<sub>14</sub> is Ala, Leu, Met or pentylglycine;

Xaa<sub>15</sub>, Xaa<sub>16</sub> and Xaa<sub>17</sub> are each independently Ala or Glu;

Art Unit: 1654

Xaa<sub>19</sub> is Ala or Val;

Xaa<sub>20</sub> is Ala or Arg;

Xaa<sub>21</sub> and Xaa<sub>26</sub> are each independently Ala or Leu;

Xaa<sub>22</sub> is Phe or naphthylalanine;

Xaa<sub>23</sub> is Ile, Val or tert-butylglycine;

Xaa<sub>25</sub> is Ala, Trp or Phe;

Xaa<sub>28</sub> is Ala or Asn;

Xaa<sub>31</sub>, Xaa<sub>36</sub>, Xaa<sub>37</sub>, and Xaa<sub>38</sub> are each independently Pro, homoproline, thioproline, N-methylalanine;

Z<sub>2</sub> is -OH or -NH<sub>2</sub>; and

provided that no more than three of Xaa<sub>3</sub>, Xaa<sub>4</sub>, Xaa<sub>5</sub>, Xaa<sub>6</sub>, Xaa<sub>8</sub>, Xaa<sub>9</sub>, Xaa<sub>10</sub>, Xaa<sub>11</sub>, Xaa<sub>12</sub>,

Xaa<sub>13</sub>, Xaa<sub>14</sub>, Xaa<sub>15</sub>, Xaa<sub>16</sub>, Xaa<sub>17</sub>, Xaa<sub>19</sub>, Xaa<sub>20</sub>, Xaa<sub>21</sub>, Xaa<sub>24</sub>, Xaa<sub>25</sub>, Xaa<sub>26</sub>, Xaa<sub>27</sub> and Xaa<sub>28</sub> are

Ala; and provided also that if Xaa<sub>1</sub> is His then at least one of Xaa<sub>3</sub>, Xaa<sub>4</sub> and Xaa<sub>9</sub> is Ala.

**REPLACE claim 42** with the following:

Claim 42. A compound or pharmaceutically acceptable salt, thereof, selected from:

Xaa<sub>1</sub>-Xaa<sub>2</sub>-Xaa<sub>3</sub>-Xaa<sub>4</sub>-Xaa<sub>5</sub>-Xaa<sub>6</sub>-Xaa<sub>7</sub>-Xaa<sub>8</sub>-Xaa<sub>9</sub>-Xaa<sub>10</sub>-Xaa<sub>11</sub>-Xaa<sub>12</sub>-Xaa<sub>13</sub>-Xaa<sub>14</sub>-Xaa<sub>15</sub>-Xaa<sub>16</sub>-

Xaa<sub>17</sub>-Ala-Xaa<sub>19</sub>-Xaa<sub>20</sub>-Xaa<sub>21</sub>-Xaa<sub>22</sub>-Xaa<sub>23</sub>-Xaa<sub>24</sub>-Xaa<sub>25</sub>-Xaa<sub>26</sub>-X<sub>1</sub>-Gly-Gly-Xaa<sub>31</sub>-Ser-Ser-Gly-

Ala-Xaa<sub>36</sub>-Xaa<sub>37</sub>-Xaa<sub>38</sub>-Xaa<sub>39</sub>-Z<sub>2</sub>;

Xaa<sub>1</sub>-Xaa<sub>2</sub>-Xaa<sub>3</sub>-Xaa<sub>4</sub>-Xaa<sub>5</sub>-Xaa<sub>6</sub>-Xaa<sub>7</sub>-Xaa<sub>8</sub>-Xaa<sub>9</sub>-Xaa<sub>10</sub>-Xaa<sub>11</sub>-Xaa<sub>12</sub>-Xaa<sub>13</sub>-Xaa<sub>14</sub>-Xaa<sub>15</sub>-Xaa<sub>16</sub>-

Xaa<sub>17</sub>-Ala-Xaa<sub>19</sub>-Xaa<sub>20</sub>-Xaa<sub>21</sub>-Xaa<sub>22</sub>-Xaa<sub>23</sub>-Xaa<sub>24</sub>-Xaa<sub>25</sub>-Xaa<sub>26</sub>-Xaa<sub>27</sub>-Xaa<sub>28</sub>-Gly-Gly-Xaa<sub>31</sub>-Ser-

Ser-Gly-Ala-Xaa<sub>36</sub>-Xaa<sub>37</sub>-Xaa<sub>38</sub>-Z<sub>2</sub>;

Art Unit: 1654

Xaa<sub>1</sub>-Xaa<sub>2</sub>-Xaa<sub>3</sub>-Xaa<sub>4</sub>-Xaa<sub>5</sub>-Xaa<sub>6</sub>-Xaa<sub>7</sub>-Xaa<sub>8</sub>-Xaa<sub>9</sub>-Xaa<sub>10</sub>-Xaa<sub>11</sub>-Xaa<sub>12</sub>-Xaa<sub>13</sub>-Xaa<sub>14</sub>-Xaa<sub>15</sub>-Xaa<sub>16</sub>-  
Xaa<sub>17</sub>-Ala-Xaa<sub>19</sub>-Xaa<sub>20</sub>-Xaa<sub>21</sub>-Xaa<sub>22</sub>-Xaa<sub>23</sub>-Xaa<sub>24</sub>-Xaa<sub>25</sub>-Xaa<sub>26</sub>-X<sub>1</sub>-Gly-Gly-Xaa<sub>31</sub>-Ser-Ser-Gly-  
Ala-Xaa<sub>36</sub>-Xaa<sub>37</sub>-Z<sub>2</sub>;

Xaa<sub>1</sub>-Xaa<sub>2</sub>-Xaa<sub>3</sub>-Xaa<sub>4</sub>-Xaa<sub>5</sub>-Xaa<sub>6</sub>-Xaa<sub>7</sub>-Xaa<sub>8</sub>-Xaa<sub>9</sub>-Xaa<sub>10</sub>-Xaa<sub>11</sub>-Xaa<sub>12</sub>-Xaa<sub>13</sub>-Xaa<sub>14</sub>-Xaa<sub>15</sub>-Xaa<sub>16</sub>-  
Xaa<sub>17</sub>-Ala-Xaa<sub>19</sub>-Xaa<sub>20</sub>-Xaa<sub>21</sub>-Xaa<sub>22</sub>-Xaa<sub>23</sub>-Xaa<sub>24</sub>-Xaa<sub>25</sub>-Xaa<sub>26</sub>-X<sub>1</sub>-Gly-Gly-Xaa<sub>31</sub>-Ser-Ser-Gly-  
Ala-Xaa<sub>36</sub>-Z<sub>2</sub>;

Xaa<sub>1</sub>-Xaa<sub>2</sub>-Xaa<sub>3</sub>-Xaa<sub>4</sub>-Xaa<sub>5</sub>-Xaa<sub>6</sub>-Xaa<sub>7</sub>-Xaa<sub>8</sub>-Xaa<sub>9</sub>-Xaa<sub>10</sub>-Xaa<sub>11</sub>-Xaa<sub>12</sub>-Xaa<sub>13</sub>-Xaa<sub>14</sub>-Xaa<sub>15</sub>-Xaa<sub>16</sub>-  
Xaa<sub>17</sub>-Ala-Xaa<sub>19</sub>-Xaa<sub>20</sub>-Xaa<sub>21</sub>-Xaa<sub>22</sub>-Xaa<sub>23</sub>-Xaa<sub>24</sub>-Xaa<sub>25</sub>-Xaa<sub>26</sub>-X<sub>1</sub>-Gly-Gly-Xaa<sub>31</sub>-Ser-Ser-Gly-  
Ala-Z<sub>2</sub>;

Xaa<sub>1</sub>-Xaa<sub>2</sub>-Xaa<sub>3</sub>-Xaa<sub>4</sub>-Xaa<sub>5</sub>-Xaa<sub>6</sub>-Xaa<sub>7</sub>-Xaa<sub>8</sub>-Xaa<sub>9</sub>-Xaa<sub>10</sub>-Xaa<sub>11</sub>-Xaa<sub>12</sub>-Xaa<sub>13</sub>-Xaa<sub>14</sub>-Xaa<sub>15</sub>-Xaa<sub>16</sub>-  
Xaa<sub>17</sub>-Ala-Xaa<sub>19</sub>-Xaa<sub>20</sub>-Xaa<sub>21</sub>-Xaa<sub>22</sub>-Xaa<sub>23</sub>-Xaa<sub>24</sub>-Xaa<sub>25</sub>-Xaa<sub>26</sub>-X<sub>1</sub>-Gly-Gly-Xaa<sub>31</sub>-Ser-Ser-Gly-  
Z<sub>2</sub>;

Xaa<sub>1</sub>-Xaa<sub>2</sub>-Xaa<sub>3</sub>-Xaa<sub>4</sub>-Xaa<sub>5</sub>-Xaa<sub>6</sub>-Xaa<sub>7</sub>-Xaa<sub>8</sub>-Xaa<sub>9</sub>-Xaa<sub>10</sub>-Xaa<sub>11</sub>-Xaa<sub>12</sub>-Xaa<sub>13</sub>-Xaa<sub>14</sub>-Xaa<sub>15</sub>-Xaa<sub>16</sub>-  
Xaa<sub>17</sub>-Ala-Xaa<sub>19</sub>-Xaa<sub>20</sub>-Xaa<sub>21</sub>-Xaa<sub>22</sub>-Xaa<sub>23</sub>-Xaa<sub>24</sub>-Xaa<sub>25</sub>-Xaa<sub>26</sub>-X<sub>1</sub>-Gly-Gly-Xaa<sub>31</sub>-Ser-Ser-Z<sub>2</sub>;

Xaa<sub>1</sub>-Xaa<sub>2</sub>-Xaa<sub>3</sub>-Xaa<sub>4</sub>-Xaa<sub>5</sub>-Xaa<sub>6</sub>-Xaa<sub>7</sub>-Xaa<sub>8</sub>-Xaa<sub>9</sub>-Xaa<sub>10</sub>-Xaa<sub>11</sub>-Xaa<sub>12</sub>-Xaa<sub>13</sub>-Xaa<sub>14</sub>-Xaa<sub>15</sub>-Xaa<sub>16</sub>-  
Xaa<sub>17</sub>-Ala-Xaa<sub>19</sub>-Xaa<sub>20</sub>-Xaa<sub>21</sub>-Xaa<sub>22</sub>-Xaa<sub>23</sub>-Xaa<sub>24</sub>-Xaa<sub>25</sub>-Xaa<sub>26</sub>-X<sub>1</sub>-Gly-Gly-Xaa<sub>31</sub>-Ser-Z<sub>2</sub>;

Xaa<sub>1</sub>-Xaa<sub>2</sub>-Xaa<sub>3</sub>-Xaa<sub>4</sub>-Xaa<sub>5</sub>-Xaa<sub>6</sub>-Xaa<sub>7</sub>-Xaa<sub>8</sub>-Xaa<sub>9</sub>-Xaa<sub>10</sub>-Xaa<sub>11</sub>-Xaa<sub>12</sub>-Xaa<sub>13</sub>-Xaa<sub>14</sub>-Xaa<sub>15</sub>-Xaa<sub>16</sub>-  
Xaa<sub>17</sub>-Ala-Xaa<sub>19</sub>-Xaa<sub>20</sub>-Xaa<sub>21</sub>-Xaa<sub>22</sub>-Xaa<sub>23</sub>-Xaa<sub>24</sub>-Xaa<sub>25</sub>-Xaa<sub>26</sub>-X<sub>1</sub>-Gly-Gly-Xaa<sub>31</sub>-Z<sub>2</sub>;

Xaa<sub>1</sub>-Xaa<sub>2</sub>-Xaa<sub>3</sub>-Xaa<sub>4</sub>-Xaa<sub>5</sub>-Xaa<sub>6</sub>-Xaa<sub>7</sub>-Xaa<sub>8</sub>-Xaa<sub>9</sub>-Xaa<sub>10</sub>-Xaa<sub>11</sub>-Xaa<sub>12</sub>-Xaa<sub>13</sub>-Xaa<sub>14</sub>-Xaa<sub>15</sub>-Xaa<sub>16</sub>-  
Xaa<sub>17</sub>-Ala-Xaa<sub>19</sub>-Xaa<sub>20</sub>-Xaa<sub>21</sub>-Xaa<sub>22</sub>-Xaa<sub>23</sub>-Xaa<sub>24</sub>-Xaa<sub>25</sub>-Xaa<sub>26</sub>-X<sub>1</sub>-Gly-Gly-Z<sub>2</sub>;

Xaa<sub>1</sub>-Xaa<sub>2</sub>-Xaa<sub>3</sub>-Xaa<sub>4</sub>-Xaa<sub>5</sub>-Xaa<sub>6</sub>-Xaa<sub>7</sub>-Xaa<sub>8</sub>-Xaa<sub>9</sub>-Xaa<sub>10</sub>-Xaa<sub>11</sub>-Xaa<sub>12</sub>-Xaa<sub>13</sub>-Xaa<sub>14</sub>-Xaa<sub>15</sub>-Xaa<sub>16</sub>-  
Xaa<sub>17</sub>-Ala-Xaa<sub>19</sub>-Xaa<sub>20</sub>-Xaa<sub>21</sub>-Xaa<sub>22</sub>-Xaa<sub>23</sub>-Xaa<sub>24</sub>-Xaa<sub>25</sub>-Xaa<sub>26</sub>-X<sub>1</sub>-Gly-Z<sub>2</sub>; and

Art Unit: 1654

Xaa<sub>1</sub>-Xaa<sub>2</sub>-Xaa<sub>3</sub>-Xaa<sub>4</sub>-Xaa<sub>5</sub>-Xaa<sub>6</sub>-Xaa<sub>7</sub>-Xaa<sub>8</sub>-Xaa<sub>9</sub>-Xaa<sub>10</sub>-Xaa<sub>11</sub>-Xaa<sub>12</sub>-Xaa<sub>13</sub>-Xaa<sub>14</sub>-Xaa<sub>15</sub>-Xaa<sub>16</sub>-  
Xaa<sub>17</sub>-Ala-Xaa<sub>19</sub>-Xaa<sub>20</sub>-Xaa<sub>21</sub>-Xaa<sub>22</sub>-Xaa<sub>23</sub>-Xaa<sub>24</sub>-Xaa<sub>25</sub>-Xaa<sub>26</sub>-X<sub>1</sub>-Z<sub>2</sub>;

wherein:

Xaa<sub>1</sub> is His, Arg, Tyr, Ala, Norval, Val, Norleu or 4-imidazolepropionyl;

Xaa<sub>2</sub> is Ser, Gly, Ala or Thr;

Xaa<sub>3</sub> and Xaa<sub>24</sub> are each independently Ala, Asp or Glu;

Xaa<sub>4</sub> is Ala, Norval, Val, Norleu or Gly;

Xaa<sub>5</sub> is Ala or Thr;

Xaa<sub>6</sub> is Ala, Phe, Tyr or naphthylalanine;

Xaa<sub>7</sub> is Thr or Ser;

Xaa<sub>8</sub> is Ala, Ser or Thr;

Xaa<sub>9</sub> is Ala, Norval, Val, Norleu, Asp or Glu;

Xaa<sub>10</sub> and Xaa<sub>14</sub> are each independently Ala, Leu, Ile, Val, pentylglycine or Met;

Xaa<sub>11</sub> is Ala or Ser;

Xaa<sub>12</sub> is Ala or Lys;

Xaa<sub>13</sub> is Ala or Gln;

Xaa<sub>15</sub>, Xaa<sub>16</sub> and Xaa<sub>17</sub> are each independently Ala or Glu;

Xaa<sub>19</sub> is Ala or Val;

Xaa<sub>20</sub> is Ala or Arg;

Xaa<sub>21</sub> is Ala, Leu or Lys(R),

where R is attached to the ε-amine of lysine and is selected from the group consisting of

Lys, Arg, C<sub>1</sub>-C<sub>10</sub> straight chain or branched alkanoyl or cycloalkylalkanoyl;

Art Unit: 1654

Xaa<sub>22</sub> is Phe, Tyr or naphthylalanine;

Xaa<sub>23</sub> is Ile, Val, Leu, pentylglycine, tert-butylglycine or Met;

Xaa<sub>25</sub> is Ala, Trp, Phe, Tyr or naphthylalanine;

Xaa<sub>26</sub> is Ala or Leu;

X<sub>1</sub> is Lys-Asn, Asn-Lys, Lys(R)-Asn, Lys(R)-Ala, Asn-Lys(R) and Ala-Lys(R),

where R is attached to the  $\epsilon$ -amine of lysine and is selected from the group consisting of Lys, Arg, C<sub>1</sub>-C<sub>10</sub> straight chain or branched alkanoyl or cycloalkylalkanoyl;

Xaa<sub>31</sub>, Xaa<sub>36</sub>, Xaa<sub>37</sub>, and Xaa<sub>38</sub> are each independently Pro, homoproline, 3Hyp, 4Hyp,

thioprolin, N-alkylglycine, N-alkylpentylglycine or N-alkylalanine;

X<sub>39</sub> is Ser or Tyr;

Z<sub>2</sub> is -OH or -NH<sub>2</sub>; and

provided that no more than three of Xaa<sub>3</sub>, Xaa<sub>4</sub>, Xaa<sub>5</sub>, Xaa<sub>6</sub>, Xaa<sub>8</sub>, Xaa<sub>9</sub>, Xaa<sub>10</sub>, Xaa<sub>11</sub>, Xaa<sub>12</sub>,

Xaa<sub>13</sub>, Xaa<sub>14</sub>, Xaa<sub>15</sub>, Xaa<sub>16</sub>, Xaa<sub>17</sub>, Xaa<sub>19</sub>, Xaa<sub>20</sub>, Xaa<sub>21</sub>, Xaa<sub>24</sub>, Xaa<sub>25</sub>, Xaa<sub>26</sub>, Xaa<sub>27</sub> and Xaa<sub>28</sub> are

Ala; and provided also that if Xaa<sub>1</sub> is His, Arg, Tyr or 4-imidazolepropionyl, then at least one of

Xaa<sub>3</sub>, Xaa<sub>4</sub> and Xaa<sub>9</sub> is Ala.

**REPLACE claim 59** with the following:

Claim 59. The compound according to claim 42 wherein the compound is Xaa<sub>1</sub>-Xaa<sub>2</sub>-Xaa<sub>3</sub>-Xaa<sub>4</sub>-

Xaa<sub>5</sub>-Xaa<sub>6</sub>-Xaa<sub>7</sub>-Xaa<sub>8</sub>-Xaa<sub>9</sub>-Xaa<sub>10</sub>-Xaa<sub>11</sub>-Xaa<sub>12</sub>-Xaa<sub>13</sub>-Xaa<sub>14</sub>-Xaa<sub>15</sub>-Xaa<sub>16</sub>-Xaa<sub>17</sub>-Ala-Xaa<sub>19</sub>-

Xaa<sub>20</sub>-Xaa<sub>21</sub>-Xaa<sub>22</sub>-Xaa<sub>23</sub>-Xaa<sub>24</sub>-Xaa<sub>25</sub>-Xaa<sub>26</sub>-X<sub>1</sub>-NH<sub>2</sub>.

**REPLACE claim 67** with the following:

Application/Control Number: 09/554,531

Page 12

Art Unit: 1654

Claim 67. The compound according to claim 42 wherein the compound is Xaa<sub>1</sub>-Xaa<sub>2</sub>-Xaa<sub>3</sub>-Xaa<sub>4</sub>-Xaa<sub>5</sub>-Xaa<sub>6</sub>-Xaa<sub>7</sub>-Xaa<sub>8</sub>-Xaa<sub>9</sub>-Xaa<sub>10</sub>-Xaa<sub>11</sub>-Xaa<sub>12</sub>-Xaa<sub>13</sub>-Xaa<sub>14</sub>-Xaa<sub>15</sub>-Xaa<sub>16</sub>-Xaa<sub>17</sub>-Ala-Xaa<sub>19</sub>-Xaa<sub>20</sub>-Xaa<sub>21</sub>-Xaa<sub>22</sub>-Xaa<sub>23</sub>-Xaa<sub>24</sub>-Xaa<sub>25</sub>-Xaa<sub>26</sub>-X<sub>1</sub>-OH.

THIS IS A DRAFT PROPOSAL.